APPENDIX 1: Arboricultural Survey Data Sheets

Surveyor RNT
Date 19.01.12
Town Manchester
Site Airport City Link Road
Dwg Ref D3243.001

Ref	Species	Height	Stem Dia.	No. of stems/individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Height of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA	Management Recommendations	Estimated Remaining Contribution
		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	Young, Middle Age, Mature, Veteran	Good, Fair, Poor		A,B,C,R (1,2,3)	(m)	(m2)		Long, Medium, Short
Trees																	
T1	Oak	9.0	530.0	1.0	4.0	4.0	4.0	4.0	2.0	Mature	Good	Epicormic sprouting throughout lower crown and main stem. Good balanced form. No significant defects.	B,1	6.4	127.1		Long
T2	Oak	9.0	410.0	1.0	3.0	2.0	2.0	4.0	4.0	Middle Age	Fair	Asymmetric crown weighted towards the north. Growing on riverbank. Branch stubs in lower crown. Abrupt bend in upper stem. No significant visible defects.	B,1	4.9	76.0		Long
T3	Oak	8.0	420.0	1.0	5.0	3.0	5.0	3.0	4.0	Middle Age	Fair	Ivy clad. Growing atop stream bank. Minor dead wood and branch stubs in central crown. Vigorous holly growth beneath tree.	B,1	5.0	79.8		Long
T4	Oak	7.0	480.0	3.0	4.0	4.0	4.0	2.0	1.0	Middle Age	Fair	Growing atop stream bank. Ivy clad. Included stem union at base. Poor form. Reasonable vigour.	B,1	4.8	72.4		Long
T5	Sycamore	8.0	420.0	7.0	2.0	2.0	3.0	3.0	1.0	Middle Age	Fair	Coppice re-growth. Multi-stemmed at base. Branch stubs. Included unions. Basal decay.	C,1	4.2	55.4		Medium
T6	Oak	14.0	850.0	1.0	8.0	7.0	6.0	7.0	4.0	Mature	Good	Phone lines through lower crown. Ivy clad. Dominant tree. Excellent broad form. Good physiologically condition.	A,1	10.2	326.9		Long
T7	Oak	16.0	730.0	1.0	6.0	7.0	7.0	7.0	2.0	Mature	Good	Visually prominent tree. Excellent form and condition. Minor stem damage and dead wood in lower crown. No visible defects. Minor ivy presence. Good broad and balanced crown.	A,1,2	8.8	241.1		Long
T8	Oak	14.0	740.0	1.0	5.0	4.0	5.0	7.0	2.0	Mature	Good	Ivy clad. Slightly asymmetric crown weighted to the west. Minor dead wood. No significant visible defects.	B,1	8.9	247.7		Long
T9	Oak	14.0	860.0	1.0	7.0	4.0	5.0	7.0	2.0	Mature	Fair	Ivy clad. Fungal infection (Inonotus dryadeus) at stem base. Moderate dead wood throughout crown. End-weighted limbs.	B,1	10.3	334.6		Medium

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	Young, Middle Age, Mature, Veteran	Good, Fair, Poor		A,B,C,R (1,2,3)	(m)	(m2)		Long, Medium, Short
T10	Oak	16.0	770.0	1.0	6.0	5.0	6.0	6.0	3.0	Mature	Fair	Minor buttress decay. Callused longitudinal crack on main stem. Top previously failed. Minor bark damage. Moderate dead wood lower crown.	B,1	9.2	268.2		Medium
T11	Oak	16.0	810.0	1.0	7.0	7.0	7.0	7.0	3.0	Mature	Good	Good balanced form. Prominent tree. Minor buttress decay. Good callusing of old pruning wounds. Minor dead wood. Minor branch failures. Good balanced form.	A,1	9.7	296.8		Long
T12	Oak	16.0	1010.0	1.0	6.0	5.0	8.0	5.0	2.0	Mature	Fair	Trifurcate at 3m. Previous branch failures in upper crown. Several old wounds on main stem. Moderate vigour.	B,1	12.1	461.5		Long
T13	Ash	12.0	420.0	1.0	4.0	3.0	4.0	4.0	2.0	Middle Age	Fair	Ivy clad. Flooded watercourse to immediate north of stem. Reasonable form. Minor dead wood in lower crown. Symptoms of internal decay at base.	B,1	5.0	79.8		Long
T14	Ash	12.0	750.0	7.0	7.0	5.0	6.0	5.0	1.0	Middle Age	Fair	Ivy clad. Multi-stemmed at base. Minor basal decay. Poor form. Branch failures.	C,1	7.5	176.7		Medium
T15	Oak	14.0	680.0	1.0	5.0	5.0	5.0	5.0	3.0	Mature	Fair	ivy clad. Minor buttress cavity. Minor dead wood in lower crown. Minor previous branch failures. Reasonable form. Growing atop stream bank.	B,1	8.2	209.2		Long
T16	Oak	14.0	820.0	1.0	6.0	8.0	6.0	6.0	2.0	Mature	Good	Ivy clad. Broad and dominant tree. No significant defects. Good physiological condition. Minor dead wood in lower crown. Barbed wire wrapped around stem.	A,1	9.8	304.2		Long
T17	Oak	16.0	810.0	1.0	4.0	6.0	7.0	7.0	6.0	Mature	Good	Large and visually prominent tree. Ivy clad. Slightly asymmetric crown. Very good physiological condition. Minor dead wood.	A,1,2	9.7	296.8		Long
T18	Oak	18.0	1200.0	1.0	6.0	8.0	6.0	7.0	4.0	Mature	Fair	Large and visually prominent tree. Moderate decay at base. Large pruning wound at 5m. Excellent balanced form.	B,1,2	14.4	651.4		Medium
T19	Oak	12.0	940.0	1.0	6.0	6.0	7.0	6.0	3.0	Mature	Fair	Moderate basal wound with decay. Moderate callusing. Epicormic growth throughout crown. Remnants of a tree house in upper crown. Moderate dead wood.	B,1	11.3	399.7		Long
T20	Oak	6.0	390.0	1.0	3.0	3.0	2.0	3.0	1.0	Middle Age	Fair	Poor form. Ivy clad. Moderate dead wood in lower crown.	C,1	4.7	68.8		Medium
T21	Sycamore	10.0	540.0	1.0	3.0	3.0	3.0	3.0	4.0	Middle Age	Fair	Dead tree. Severe stem rot. Fruiting bodies (Pluerotus ostreatus) up main stem.	R				Short

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	Young, Middle Age, Mature, Veteran	Good, Fair, Poor		A,B,C,R (1,2,3)	(m)	(m2)		Long, Medium, Short
T22	Oak	6.0	390.0	1.0	4.0	3.0	4.0	3.0	3.0	Middle Age	Fair	Moderate stem decay. Poor, asymmetric form. Previous branch failures. Dead wood.	C,1	4.7	68.8		Medium
T23	Oak	12.0	620.0	1.0	5.0	5.0	5.0	6.0	2.0	Mature	Good	Good balanced form. Minor dead wood in lower crown. No significant visible defects.	A,1	7.4	173.9		Medium
T24	Oak	10.0	630.0	1.0	5.0	5.0	5.0	5.0	2.0	Mature	Good	Good balanced form. Good physiological condition. Minor stem decay. Growing atop stream bank. No significant visible defects.	B,1,2	7.6	179.6		Long
T25	Oak	10.0	590.0	1.0	5.0	5.0	5.0	5.0	3.0	Mature	Good	Ivy clad. Minor broken branches and dead wood. Minor (5 degree) stem lean. Growing on stream bank. Good vitality.	B,1,2	7.1	157.5		Long
T26	Alder	7.0	240.0	1.0	3.0	3.0	3.0	3.0	1.0	Middle Age	Good	Strong central leading stem. No significant visible defects. Good future potential.	B,1	2.9	26.1		Long
T27	Oak	8.0	540.0	1.0	3.0	4.0	3.0	2.0	2.0	Mature	Fair	Stem swelling indicative of internal decay. Moderate crown die-back. Epicormic growth on main stem. Minor dead wood.		6.5	131.9		Medium
T28	Oak	16.0	890.0	1.0	6.0	7.0	6.0	7.0	2.0	Mature	Good	Large and visually prominent tree. Excellent form with strong central leader. Minor dead wood in lower crown. Good vitality and physiological condition.		10.7	358.3		Long
Groups																	
G1	Hazel, birch, cherry, alder, oak, willow	to 10	to 260	20+ trees						Middle Age	Fair	Screen planting. Stakes and ties still in place. Ties left attached for too long and constricting stems. Dense willow regeneration.	B,2			Selectively thin by 15%. Remove remaining ties.	Medium
G2	sycamore, hazel, birch, oak, holly, hawthorn , goat willow	to 12	to 390	20+ trees						Middle Age	Fair	Screen planting with natural regeneration. Stakes and ties still in place. Ties left attached for too long and constricting stems. Multi-stemmed sycamore. Some suppressed and dead but generally vigorous.	B,2			Selectively thin by 15%. Remove remaining ties.	Medium
G3	Hazel, cherry, birch, alder, willow	to 12	to 290	20+ trees						Middle Age	Good	Screen planting. Stakes and ties still in place. Ties left attached for too long and constricting stems. Some well formed and dominant individuals amongst group. Others suppressed and declining.	B,2			Selectively thin by 15%. Remove remaining ties.	Medium
G4	Hazel, birch, cherry, alder, sycamore, willow	to 10	to 270	20+ trees						Middle Age	Fair	Screen planting with natural regeneration. Stakes and ties still in place. Ties left attached for too long and constricting stems. Birch with good form and condition. Generally tall and slender form.	B,2				Medium

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	Young, Middle Age, Mature, Veteran	Good, Fair, Poor		A,B,C,R (1,2,3)	(m)	(m2)		Long, Medium, Short
G5	Birch, alder, willow, hazel	to 10	to 220	20+ trees						Middle Age	Fair	Screen planting with some natural regeneration. Tall and slender form. Ties still in place and damaging stems. Birch in generally good condition. Often leaning stems on edge of group.	B,2				Medium
G6	Cherry, hawthorn, lime, hazel, blackthorn, oak, birch, Scots pine, osier, alder, willow, ash	to 10	to 200	20+ trees						Middle Age	Fair	Dense structure planting and regeneration. Minor stem damage present. Birch and alder in good condition.	B,1,2				Long
G7	Hazel, ash	to 14	to 430	20+ trees						Middle Age	Fair	Ivy clad tree. Growing beside flooded watercourse. Generally poor, multi-stemmed form. Reasonable vigour.	C,1				Medium
G8	Ash, Norway maple, whitebeam	to 12	to 440	5 trees								Reasonable landscape feature. Minor stem wounds present. No significant visible defects.					
G9	Alder, willow, oak	to 14	to 720	20+ trees						Mature	Fair	Mature trees associated with old drainage ditch. Minor dead wood and branch failures. Dense ivy presence. Some stem decay present.	B,1				Long
G10	Alder, willow	to 6	to 180	20+ trees						Young	Fair	Young natural regeneration associated with stream bank. Early symptoms of phytophthora on alder.	C,1				Medium
G11	Oak	to 12	to 710	2 trees						Mature	Fair	Growing atop steep riverbank. Moderate form. Ivy clad. Moderate dead wood in lower crowns. No significant visible defects.	B,1				Long
G12	Hazel, hawthorn, elder, sycamore, ash	to 10	to 490	20+ trees						Middle Age	Fair	lapsed hedgerow associated with old ditch. Coppiced, multi-stemmed form. Vigorous.	B,1				Medium
G13	Ash, sycamore, oak, alder, willow, hazel	to 12	to 450	20+ trees						Middle Age	Good	Woodland group. Willow regeneration. Overall good condition. Some stem and branch failures. Often multi-stemmed form.					Long
G14	Oak, hawthorn, willow, birch	to 8	to 340	20+ trees						Middle Age	Fair	Self-seed, mainly multistemmed natural regeneration. Predominantly willow scrub.	C,1				Medium
G15	Hazel, hawthorn, spruce, oak, elder	to 10	to 360	20+ trees						Middle Age	Fair	Trees lining public footpath. Mainly multi-stemmed form. Previous branch and stem failures.	C,1				Medium
G16	Oak	to 12	to 710	3 trees						Mature	Fair	Partial root plate failure on one tree within group. Leaning form. Ivy clad. Reasonable vigour. Stem wounds and decay.	B,1				Medium

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		(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	Young, Middle Age, Mature, Veteran	Good, Fair, Poor		A,B,C,R (1,2,3)	(m)	(m2)		Long, Medium, Short
G17	Oak, ash	to 16	to 630	6 trees						Mature	Fair	Ivy clad trees. Moderate dead wood and branch failures present. Growing on bank of ditch. Asymmetric form due to close spacing.	B,1				Medium
G18	Oak, ash, elder	to 12	to 820	approx. 15 trees						Middle Age	Fair	Recent failure of mature oak tree. One dead oak tree. Stem wounds and branch failures present. Waterlogged area.	C,1				Medium
G19	Ash, hazel, hawthorn, sycamore, elder, willow	to 9	to 420	20+ trees						Middle Age	Fair	Dense, lapsed hedgerow. Mainly multi-stemmed /coppiced form. No significant defects recorded.					Medium
G20	Crack willow, goat willow, ash, oak	to 12	to 750	20+ trees						Middle Age	Good	Dense willow scrub. Recently topped and pollarded with up to 3m regrowth. Often leaning form. Branch failures present.	C,1				Medium
G21	Alder, oak, cherry, Norway maple, hawthorn, sycamore	to 14	to 530	20+ trees						Middle Age	Fair	One large dead oak. Willow recently coppiced. Dense ivy. Branch failures and hangers.	C,1				Medium
G22	Scots pine, willow, alder, oak, cherry, ash, sycamore, holly, birch, white poplar	to 12	to 400	20+ trees						Middle Age	Good	Screen planting with natural regeneration. Tall, slender form. Dense spacing. Recently thinned. Good future potential.	B,1,2				Long
G23	Birch, oak, ash, willow, Scots pine	to 12	to 570	20+ trees						Middle Age to Mature	Good	Some previous failures of willows. Vigorous and dense group. No significant defects. Good future potential with thinning.	B,1,2				Long
G24	Willow, Lombardy poplar	to 7	to 220	approx. 15 trees						Young	Good	Vigorous structure planting. No significant visible defects. Reasonable future potential.	C,1,2				Long
G25	Hybrid poplar, ash, Scots pine, oak, ash, hawthorn	to 14	to 610	20+ trees						Middle Age	Fair	Screen planting with some natural regeneration. Vigorous poplars.	B,2				Long
G26	Birch, alder, Scots pine, ash, oak, hawthorn	to 10	to 210	20+ trees						Middle Age	Good	Dense, vigorous screen planting. Good future potential with thinning. Some dead/suppressed individuals within group.	B,1,2				Long
G27	Oak, birch, willow	to 8	to 210	20+ trees						Middle Age	Good	Dense screen planting with natural regeneration. Stream running through group.	B,2				Long
G28	Birch, willow, hawthorn, elder	to 10	to 220	20+ trees						Middle Age	Fair	Dense scrub and screen planting. Stem wounds present. Often leaning stems.	C,1				Medium